

DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII.

JANUARY, 1914

No. 1

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Eleven areas of high pressure were charted. Five first appeared in the neighborhood of the Yukon Territory, one to the northward of and one over Manitoba, and four in the Pacific States. Four areas passed over, three far to the northward, and the remainder to the southward of the Great Lakes. Several of the systems were of considerable energy, especially during the second and third decades of the month, attended by some very low temperatures, and in consequence the latter half of January was generally very cold over the greater portion of the Dominion.

LOW AREAS.

Sixteen areas of low pressure were charted. Eight first appeared in the far northwestern portion of the continent, four in the North Pacific States, one in the Middle Pacific States, two in the Southwestern States, and one on the Atlantic between the Florida Coast and Bermuda. The general path of the areas was over the Great Lakes, thence to the Maritime Provinces and Newfoundland. Many of the systems were pronounced, and especially so in the Maritime Provinces and Newfoundland, where some very heavy gales were experienced.

ATMOSPHERIC PRESSURE.

Exceptionally low barometer readings were recorded during January, this being especially the case on the Atlantic and Pacific coasts, and the resultant mean atmospheric pressure was sub-normal throughout Canada. In British Columbia the departure from average was from -0.30 to -0.40 of an inch, and in the Western Provinces about -0.20 of an inch, while in Ontario, Quebec and the Maritime Provinces it was generally about -0.10 of an inch, although in Northern Districts of Quebec and Northeastern Ontario it was about -0.05 of an inch. The results obtained at the Telegraph Reporting Stations are considered indicative of the general conditions of the distribution of atmospheric pressure.

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FREE AIR DATA

REGISTERING BALLOON ASCENT AT WOODSTOCK.

(Lat. 43° 8' N., Long. 80° 47' W.) on January 8th, 1914.

Instrument—Dines Meteorograph.

Fell—245 km. distant S. 78° E.

Beginning of Ascent—1 a.m. G.M.T.

Maximum Height—12.3 km.

Barometer—719 mm.

Minimum Temperature—-51.0° C.

Temperature = 1.1° C.

Direction of flight at Beginning—North.

Height in km. above S.L.	Pressure in mm.	Temperature in Centigrade degrees.	
G.L. = 0.3	719	1.1	
0.5	699	0.0	— 1.0
1.0	658	6.0	— 1.5
1.15	646	6.5	4.5
1.5	618	4.5	3.5
2.0	580	2.0	0.0
2.5	544	- 1.5	— 3.0
3.0	510	- 4.0	— 5.5
3.5	478	8.0	— 9.0
4.0	448	11.0	—12.5
4.5	418	-15.0	—16.0
5.0	391	-18.5	—19.5
5.5	366	-21.5	—23.0
6.0	340	-25.5	—27.0
6.5	318	-29.0	—31.0
7.0	295	-33.5	—35.0
7.5	274	-37.0	—38.5
8.0	256	-40.0	—41.5
8.5	237	-43.5	—45.0
9.0	220	-45.5	—47.0
9.5	203	-47.5	—48.5
10.0	189	-50.0	
10.3	182	-51.0	
11.0	164	-50.5	
11.6	148	-46.5	
12.0	139	-46.0	
12.3	133	-46.0	

Pressure was low over the whole continent, the centres of lowest pressure being over Iowa and Alberta, and off the Newfoundland Coast.

WINDS, JANUARY, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			GENERAL DIRECTION
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
BRITISH COLUMBIA.									
Atlin.....	2175	276							
Prince Rupert.....									E
Victoria.....	7090	465	36	NW	26	4	14	8	E
Point Garry.....	9603	587	40	NW	27	12	9	9	E
Vancouver.....									E
Kamloops.....	2368	191	21	SW	27		1	3	E
ALBERTA.									
Edmonton.....	3742	232	17	E	11-25-26			8	SW
Calgary.....	2251	222	20	SW	6		1	7	NW
SASKATCHEWAN.									
Battleford.....									SE
Prince Albert.....	2290	205	15	NW	10			5	
Swift Current.....	8168	431							SW
Qu'Appelle.....	7654	538	33	NW	28	1	14	10	NW
MANITOBA.									
Le Pas.....	5587	493							W
Winnipeg.....	8877	486	35	S.S.E	5	3	11	13	SE, NW
ONTARIO.									
Port Arthur.....	5822	388	33	SW	29	1	6	5	NW
White River.....	3286	295	28	NW	29		2	10	N.E.
Cochrane.....	5497	490	31	W	29	1	3	13	N,NW
Perry Sound.....	7048	464	28	SW	29		6	18	SE
Southampton.....									S
Peelee Island.....	*11764	815	55	SW	30	12	15	3	
Woodstock.....	8584	512	30	SW, NW	11-27-31	3	12	13	SW
Guelph.....	8828	523							NW
Toronto.....	11064	778	49	E	31	8	18	4	N
Kingston.....	*7170	441							NE
Stonecliffe.....	4191	257	18	NW	12-30			10	E
Ottawa.....									E
QUEBEC.									
Montreal.....	11844	726	41	NW	30	6	14	10	NE
Sherbrooke.....									
Quebec.....	11716	868	57	NE	31	14	7	8	NE
Father Point.....	8698	867	43	W	30	6	10	5	N,SW
Anticosti, SW.....	8698								
Harrington.....									
NEW BRUNSWICK									
Pt. Escuminac.....	14029	919	51	W	26	15	10	4	NW
Fredericton.....	093	590	38	SW	30	3	8	6	NW
St John.....	11233	673	41	NW	25	7	13	10	NW
Pt. Lepreaux.....	14221	895	45	NW	14	16	7	7	N,NE
NOVA SCOTIA									
Yarmouth.....	11697	620	44	SW	25				NW
Wolfville.....									
Halifax.....	11311	800	41	SW	25	7	13	9	NE
Sable Island.....									
Flat Point.....	17127	1426	60	E	18	23	4	30	NE
PRINCE EDWARD ISLAND									
Charlottetown.....	7784	492	30	SW	30	1	12	11	NE

* Record for 30 days

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. JAN., 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.						PRECIPITATION.								
				Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of aurora.	No. of thunderstorms.	No. of fogs.
BRITISH COLUMBIA—																		
S. Vancouver Island																		
Alberni (Beaver Creek).....	49 15	124 49	300	36.1	+ 2.4	17	50.6	31	16.0	28	8.4	16.29	-6.29	2.30	26	5	1	..
Clayoquot.....	49 11	125 55	27	41.1	+ 1.6	15	50.0	3-19	28.0	27	16.5	21.55	+6.96	3.24	24	7	..	..
Clo-oose.....	49 40	124 50	..	40.4	..	..	52.0	10	34.0	27	9.7	2.91	..	0.24	25	6	..	..
Cobble Hill.....	..	..	33	38.8	..	..	51.0	12	21.5	28	9.1	11.32	..	1.85	25	6	..	..
Cowichan (Tzouhalem).....	48 25	123 42	170	40.2	..	..	54.0	..	21.0	28	7.4	13.04	..	2.58	27	4	..	..
Departure Bay.....	49 40	124 0	..	38.5	..	..	50.3	4	21.6	28	7.5	10.37	..	1.89	24	7	..	..
Gillis Bay.....	49 40	124 32	..	37.2	..	..	51.0	5	19.5	27	9.8	10.27	..	3.97	23	8	..	..
Ladysmith.....	48 57	123 39	..	37.7	..	..	53.0	3	20.0	27	9.9	17.34	..	1.50	25	6	..	..
Nanaimo.....	49 10	123 37	125	39.8	+ 4.0	13	52.0	4	24.0	27-28	7.4	10.89	+6.24	1.84	26	5	..	1
Nanose Bay.....	49 17	124 12	130	38.0	..	..	51.0	6	20.0	28	9.4	9.17	..	1.90	25	6	..	..
Qualicum Beach.....	..	..	..	37.1	..	..	49.0	4-5-6	20.0	28	9.5	7.75	..	1.65	23	8	..	..
Salt Spring Island.....	48 50	123 20	..	38.8	..	..	52.0	4-6	21.0	28	7.8	13.45	..	2.28	28	3	..	..
Shawangan Lake.....	48 37	123 41	..	37.0	..	..	50.0	4-7	19.0	28	8.4	13.29	..	2.56	25	6	..	..
Spoke.....	48 41	123 44	25	39.7	..	..	50.0	4-6-19	23.0	28	9.2	14.22	..	2.55	26	5	..	..
Victoria.....	48 24	123 19	55	42.1	+ 2.0	22	52.2	11	28.0	28	6.8	8.47	+3.93	2.80	27	4	..	..
N. Vancouver Island																		
Alert Bay.....	50 33	127 0	..	38.4	..	1	50.0	7	26.0	26	3.8	6.13	..	2.37	23	8	..	..
Holberg.....	50 39	128 18	..	37.8	..	4	53.0	6	20.0	28	8.8	23.89	..	3.55	24	7	..	..
Quatsino.....	50 32	127 40	..	37.6	- 2.3	17	50.0	6-11	25.0	28	9.3	18.46	+5.59	3.68	21	10	..	..
Triangle Island.....	50 52	129 5	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lower Fraser River																		
Azassiz.....	49 14	121 31	52	38.0	+ 3.6	23	49.0	4-6-11	12.0	28	10.5	13.96	+7.16	3.68	19	12	..	..
Britannia Beach.....	49 39	123 5	165	38.8	..	1	56.0	6	24.0	27-28	7.3	16.85	..	2.98	28	3	..	..
Chilliwack.....	49 10	121 57	21	36.9	+ 6.7	12	52.0	6	15.0	28	7.8	14.68	+6.16	4.71	27	4	..	..
Hope.....	49 25	121 25	500	33.6	..	4	45.5	6	16.5	29	6.5	10.94	..	2.77	20	11	..	..
Ladner.....	49 05	123 4	..	43.4	+ 9.6	13	55.0	6	30.0	23-26	6.8	5.45	+0.66	1.25	13	18	..	..
New Westminster.....	49 13	122 54	330	38.8	+ 2.2	26	51.7	2	22.1	28	6.9	9.95	+1.38	1.79	29	2	..	..
North Nicomen.....	49 12	122 2	69	38.6	+ 3.7	22	53.0	4	22.0	28	9.7	17.01	+8.25	3.33	28	3	..	..
Pemberton Hatchery.....	50 20	122 33	..	30.4	..	6	40.0	30	12.0	28	6.2	5.85	..	1.15	19	12	..	..
Pemberton Meadows.....	50 29	122 40	..	27.9	..	1	37.0	7-12	9.0	23-24	6.5	10.78	..	2.00	22	9	..	..
Pemberton (Stave Falls).....	49 16	122 23	125	28.2	..	5	52.0	5	22.0	28	7.2	12.22	..	1.79	29	2	..	..
Steveston (Garry Point).....	49 21	123 17	..	40.6	+ 4.8	18	52.0	3-12	26.0	28	8.3	8.41	+2.92	1.45	26	5	..	..
Vancouver.....	49 17	123 5	136	40.5	+ 3.0	13	55.6	11	25.9	28	6.5	10.56	+2.28	2.00	30	1	..	..
Upper Fraser River																		
Babine Lake.....	55 38	126 26	..	15.2	..	6	35.0	3	1.0	26	10.1	2.00	..	0.60	10	22	..	..
Barkerville.....	53 02	121 35	4180	16.7	- 1.8	24	36.0	4-11	-25.0	28	14.0	4.60	+1.87	0.80	14	17	..	..
Chilcotin (Big Creek).....	51 40	120 50	3100	14.0	+ 6.9	11	40.0	11	-22.0	28	20.8	1.05	+0.41	0.40	6	25	..	..
Cranberry Lake (South Frk).....	119 20	52 50	2460	17.1	..	1	38.2	7	-36.0	28	16.8	4.52	..	3.60	11	20	..	..
Fifteen Mile Ranch (Pavilion).....	50 40	120 50	..	24.6	..	1	44.0	2	9.0	26-27	8.6	1.40	..	0.33	10	21	..	..
Fort George.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fort St. James (Stuarts Lake).....	54 28	124 12	2280	9.9	+ 0.1	21	40.0	12	-36.0	28	17.2	1.31	-0.26	0.23	13	18	..	..
Hydraulic.....	52 42	122 5	..	21.5	..	2	52.0	11	-25.0	28	15.0	3.10	..	0.50	12	19	..	..
Queensville.....	52 59	122 30	1700	20.0	+ 7.0	19	46.0	12	-27.0	28	13.0	1.52	+0.28	0.50	8	23	..	..
Okanagan Valley																		
Duck Lake Ranch.....	50 3	119 20	1400	30.6	..	1	47.0	7	11.0	28	9.9	2.88	..	0.37	16	15	..	..
Hedley.....	49 35	120 10	1771	30.8	..	10	46.0	4	7.0	27	12.1	1.26	..	0.18	12	19	..	..
Hedley (Nickel Plate).....	49 20	119 59	..	20.9	..	10	35.0	4-8	0.0	28	11.6	3.45	..	0.20	11	20	..	..
Keremeos.....	49 15	120 0	1372	31.8	..	7	49.0	7	7.5	23	10.3	2.20	..	0.44	15	16	..	..
Kelowna (Okanagan Mission).....	49 15	119 29	1200	30.8	+ 5.2	14	45.0	6-7	11.0	28	9.9	2.34	+0.88	0.42	14	17	..	..
Penticton.....	49 29	119 35	34.3	24.5	+ 7.7	18	42.0	16	-8.0	28	14.4	2.36	+1.05	0.46	15	16	..	..
Princeton.....	49 29	120 29	1860	24.5	..	2	50.0	6	3.0	27	15.4	1.61	..	1.35	2	29	..	..
Richlands.....	50 18	118 35	..	29.3	..	7	49.0	7	8.0	23	12.4	1.91	..	0.45	10	21	..	..
Summerland.....	49 36	119 40	1100	30.0	..	7	49.0	7	7.0	28	12.1	1.25	+0.09	0.30	8	23	..	..
Vernon (Coldstream Ranch).....	50 14	119 15	1582	29.4	+ 7.8	20	50.0	7	7.0	28	12.1	1.25	+0.09	0.30	8	23	..	..
West Kootenay																		
Crawford Bay.....	49 45	116 45	2000	31.3	..	2	42.0	7	11.0	23	9.4	7.45	..	1.09	26	5	..	..
Creston.....	49 6	116 3	1985	29.8	..	2	48.0	7	7.0	22	13.0	5.28	..	0.75	19	12	..	..
Fauquier.....	49 40	118 9	..	32.1	..	1	49.0	5-7	13.0	28	10.3	3.95	..	0.35	17	14	..	..
Grand Forks.....	49 2	118 27	1746	29.6	..	3	47.0	7	7.0	28	9.2	2.00	..	0.25	18	13	..	..
Greenwood.....	49 1	118 6	2400	28.7	..	3	53.0	16	-1.0	27	20.0	4.21	..	1.00	18	13	..	..
Howse.....	50 18	117 0	..	30.8	..	2	48.0	7	12.0	24	10.9	4.75	..	1.40	19	12	..	..
Kaslo.....	49 52	117 0	1752	31.2	..	5	44.0	6-7-8	15.0	24	8.9	7.17	..	0.58	20	11	..	1
Nakusp.....	50 14	117 49	33.9	30.9	..	2	42.0	6	5.5	28	7.9	5.24	..	1.16	17	14	..	..
Nelson.....	49 29	117 21	1760	30.0	- 5.7	12	46.0	7	12.0	28	4.5	6.10	+3.48	0.50	20	11	..	..
Pend d'Oreille (Waneta).....	49 5	117 48	2260	29.0	..	1	45.0	8	6.0	28	12.0	5.01	..	0.76	22	9	..	..
Perry Siding.....	49 5	117 48	1700	29.1	..	1	44.0	7	10.0	22-28	9.9	4.75	..	1.05	16	15	..	..
Rossland.....	49 5	117 48	3400	28.8	..	11	40.5	6-7	11.5	28	5.5	5.26	..	1.05	16	15	..	..
East Kootenay																		
Cranbrook.....	49 30	115 50	..	25.9	..	5	46.0	5-7	-10.0	23	20.6	3.63	..	1.16	10	21	..	..
Fernie.....	49 30	115 3	3305	25.7	..													

STATION.				TEMPERATURE							PRECIPITATION								
	Latitude N.	Longitude W.	Elevation above sea level, in feet	Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with 0.1 or more.	No. of fair days.	No. of aurora.	No. of thunderstorms.	No. of fogs.
BRITISH COLUMBIA—Col.																			
<i>North Columbia River</i>																			
Glacier.....	51 14	117 29	4072	20.5	+2.0	12	35.0	7	-3.0	25-29	8.9	10.45	+1.80	1.10	25	6	..	..	..
Golden.....	51 0	118 6	1476	20.5	+11.8	12	44.9	6	-14.0	24	14.1	3.65	+2.36	0.20	15	16	..	..	..
Revelstoke.....	51 16	116 5	2550	27.8	+7.3	13	40.0	8	6.0	28-30	9.4	9.89	+4.35	1.30	22	9	..	..	..
<i>North Coast</i>																			
Bella Coola.....	52 40	126 54	1550	27.6	+2.5	14	44.0	3	5.0	28	8.8	5.17	+1.17	2.80	8	23	..	..	2
Prince Rupert.....	54 18	130 18	170	55.7	—	4	50.0	3	8.0	27	7.4	6.36	—	1.03	19	12	..	..	..
Stewart.....	56 1	130 1	215	21.0	—	4	36.0	17	-2.0	27	8.5	3.73	—	1.20	12	19	..	..	..
Terrace.....	54 30	128 30	545	24.8	—	1	39.0	5 10	6.0	28	7.2	3.42	—	0.80	5	26	..	..	..
<i>Queen Charlotte Islands</i>																			
Ikeha Bay.....	52 17	131 7	6	37.7	—	6	49.0	11	27.0	26	8.0	20.12	—	3.92	19	12	..	..	..
Masset.....	53 53	132 9	10	34.6	-10.0	17	47.0	1-6	14.0	27	8.9	6.81	+0.93	0.92	20	11	..	..	..
<i>Tukwa Boundary</i>																			
Atlin.....	59 35	133 38	2240	-5.7	—	8	23.0	8 14	-37.5	23	12.9	0.70	—	0.15	8	23	..	..	..
YUKON—																			
Carcross.....	60 11	134 34	2171	8.9	—	7	20.0	12	-45.0	28	17.3	0.70	—	0.20	5	26	..	..	3
Dawson.....	64 4	139 29	1200	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALBERTA—																			
<i>N. Saskatchewan River</i>																			
Campsie.....	54 8	114 42	..	3.7	—	7	44.8	5	-42.6	24	21.4	0.77	—	0.32	11	20	1	..	1
Coronation.....	55 52	112 17	..	6.8	—	7	43.0	5	-30.0	24	16.7	0.56	—	0.20	4	27	..	..	..
Edmonton.....	53 33	113 30	2158	7.8	+0.5	30	42.5	5	-29.0	24	17.6	1.64	+0.33	0.22	11	20	1	..	..
Endiang.....	52 0	112 0	2765	9.3	—	3	53.0	7	-33.0	28	19.4	0.80	—	0.45	3	28	..	..	..
Hall's Creek (Emsburg).....	52 17	112 10	..	5.8	—	8	45.0	6	-34.0	28	18.5	1.10	—	0.40	3	28	..	..	4
Lloydminster.....	53 18	110 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Loveland.....	52 30	111 59	..	6.5	—	4	56.0	6	-38.0	26-29	21.2	1.30	—	0.60	4	27	..	..	..
Ranfurly (Whitefield).....	53 29	111 38	2090	4.3	+5.5	10	42.0	5	-39.0	29	21.5	0.40	-0.39	0.12	9	22	..	..	5
Sedgewick.....	52 47	111 41	..	..	..	..	45.0	4	—	..	..	0.20	—	0.20	1	30	..	..	..
Sion.....	53 54	111 15	..	6.9	—	3	38.0	7	-37.0	24	25.0	1.98	—	0.60	16	15	..	..	..
Vermilion.....	53 22	110 59	..	2.5	—	1	39.5	7	-37.0	29	19.9	0.28	—	0.15	5	26	3	..	..
Wadena.....	51 39	111 5	..																

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JAN., 1914.

* Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.						PRECIPITATION.			Days with .01 or more.	No. of fair days.	No. of Auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.						Difference from average.	Heaviest fall in month.
SASKATCHEWAN—																	
Qu'Appelle River																	
Broadview	50 23	102 33	1866	7.6	+0.6	23	45.0	5	-33.0	24	17.4	1.70	-1.16	0.66	6	25	3
Brownhill (Gresfell P.O.)...	50 23	102 53	1957	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buchanan	51 42	102 45	...	4.3	+9.0	10	42.7	6	-30.2	26	19.3	1.45	+0.71	0.50	11	20	...
Crescent Lake	50 59	102 25	1058	12.7	-15.7	13	17.0	7	-35.0	14	17.1	1.10	+9.44	0.80	4	28	...
Estevan	50 59	103 4	1838	8.0	—	12	47.9	5	-36.0	21-25	21.8	1.35	—	0.28	14	17	...
Fort Qu'Appelle	50 47	103 47	...	3.6	—	3	43.0	5	-35.0	23	16.2	1.40	—	0.10	24	24	...
Hubbard (Drumhaguel)	51 5	103 21	...	12.6	—	8	57.0	5-6	-40.0	23	17.12	0.25	—	0.25	22	29	...
Humboldt	51 5	105 9	...	5.4	—	3	44.0	5	-34.0	24	19.5	0.60	—	0.20	...	...	...
Imperial	52 12	105 23	...	7.0	+5.8	23	44.0	5	-34.0	14	17.9	1.25	+0.59	0.30	...	...	...
Indian Head	51 22	103 40	1921	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kamsack	51 30	101 52	...	11.4	+8.1	10	50.0	6	-33.0	24	21.3	1.60	+0.40	0.30	11	20	1
Moose Jaw	50 21	105 35	1759	6.7	+9.1	11	41.0	5	-19.0	23	8.7	—	—	—	...	...	...
Moosomin	50 0	101 37	1884	5.0	+10.8	10	36.0	5	-36.0	24	19.4	0.13	—	0.08	2	19	1
Muenster (St. Peter's Mon.)	52 0	105 0	1870	3.6	—	3	38.6	5-6	-38.0	25	20.5	1.03	—	0.24	9	22	...
Pilger	52 25	105 8	...	9.1	+2.8	19	49.0	5	-22.0	23	19.1	0.10	+0.27	0.30	3	28	3
Ponsa (Gatesgarth)	50 20	105 6	1879	9.5	+7.5	30	50.0	5	-30.0	24	17.4	1.64	+0.86	0.30	13	18	...
Qu'Appelle	50 30	103 47	2115	8.4	+11.7	27	45.0	5	-38.0	24	18.7	0.84	+0.46	0.25	12	19	...
Regina	50 27	104 37	1885	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Strongfield	51 21	106 36	...	2.7	—	7	42.0	5	-37.0	23	19.8	0.15	—	0.40	2	29	...
Yarbo (Fairfield)	50 39	102 4	...	9.2	—	3	49.0	5-6	-33.0	24	20.3	0.80	—	0.30	3	28	...
Yellow Grass	49 49	104 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yorkton	51 11	102 29	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...
S. Saskatchewan River																	
Chaplin	50 26	106 39	2202	9.9	+6.9	26	4.8	5	-37.0	24	20.8	1.65	+0.33	0.40	6	15	1
Kindersley	51 28	109 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kintone (Divide)	49 38	108 53	3500	15.5	—	5	49.4	7	-24.2	24	13.9	1.22	—	0.70	4	27	...
Kelvinhurst (Nashlyn)	51 46	108 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Larchmount (Glenbrynn)	49 21	109 29	2500	11.1	—	4	57.5	8	-39.0	24	23.7	1.55	—	0.80	5	26	...
Rathmullen	51 20	108 57	...	6.2	—	4	44.8	5	-35.0	25	20.6	0.58	—	0.15	6	25	...
Swift Current	50 20	107 45	2439	13.4	+5.3	28	50.0	6	-36.0	24	21.6	0.61	-0.15	0.26	11	20	...
N. Saskatchewan River																	
Anglia	51 55	101 10	...	3.5	—	2	43.0	4	-39.0	24	29.5	1.20	—	0.60	5	26	...
Battleford	52 41	108 20	1620	5.8	+7.0	24	40.0	5-14	-35.0	29	17.4	0.70	+0.24	0.20	6	25	...
Lloydminster	53 18	110 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Luseland	52 5	109 34	...	3.6	—	3	47.0	6	-30.0	25	17.7	1.25	—	0.30	7	24	2
Onion Lake	53 52	109 59	...	1.7	—	7	35.0	7	-40.0	28-29	17.8	—	—	—	—	—	...
Prince (Neota)	51 6	108 29	1700	1.5	—	8	37.0	6	-44.0	24-29	21.4	0.40	—	—	4	27	4
St. Walburg	53 36	109 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott (Ex. Farm)	51 59	109 39	...	1.9	—	3	38.0	5	-37.3	25-29	20.0	0.65	—	0.15	...	...	...
Waseca	53 0	109 29	...	2.2	—	7	35.0	5	-35.0	29	18.2	0.65	—	0.20	...	...	...
The Saskatchewan Forks																	
Melfort	52 47	104 30	...	2.9	—	5	36.0	5	-28.0	25-26	18.7	0.60	—	0.20	4	27	...
Prince Albert	53 10	106 0	1432	4.7	+8.0	28	30.0	14	-35.0	25	18.1	0.74	-0.16	0.30	7	24	...
Rosthern	52 49	106 20	1657	1.5	—	4	55.5	7	-37.8	25	19.5	0.15	—	0.20	5	26	1
Saskatoon	52 15	106 30	1571	4.7	+3.2	28	38.0	5	-35.0	25-26	20.8	0.90	+9.41	0.35	6	25	...
Lower Saskatchewan River																	
Lost River	53 17	104 21	...	1.9	—	4	35.0	6	-21.0	25-26	13.2	—	—	—	—	—	...
MANITOBA—																	
Qu'Appelle and Assiniboine Rivers																	
Boissevain	50 25	101 1	1703	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brandon	49 51	99 57	1176	2.4	+4.5	27	38.0	5	-37.6	24	20.8	1.65	+0.82	0.50	8	23	...
Carman	49 31	98 0	872	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cypress River	49 33	99 3	1232	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hillview	49 55	100 33	1400	...	...	28	...	...	...	...	...	...	...	...	...	...	...
Minnedosa	50 15	99 50	1699	1.2	+4.8	30	37.4	5	-30.5	12	29.1	1.70	0.88	0.81	8	23	4
Ninette	49 24	99 38	1303	13.7	—	3	45.0	5-6	-18.0	29	29.8	1.04	—	0.60	9	22	...
Ninga	49 14	99 51	1649	5.4	—	4	41.0	5	-43.0	28	41.3	—	—	—	—	—	...
Pierson	49 11	101 5	1531	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pipestone	49 34	100 58	1400	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Portage la Prairie	49 57	98 17	...	5.9	+7.9	24	38.0	6	-29.0	24-25	20.4	1.10	-1.85	0.20	8	23	...
Portage la Prairie (2)	49 56	98 17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Russell	50 59	101 29	...	2.0	+7.8	22	41.0	5	-38.0	25	17.1	—	—	—	—	—	...
St. Alban's (Treesbank)	49 42	99 33	1180	4.4	+6.4	27	40.0	5	-34.5	25	22.3	2.41	-1.89	0.52	17	14	1
Souris	49 37	100 14	...	18.3	—	2	37.0	16	-23.0	24	21.7	26.0	—	0.60	6	25	...
Treherne	49 36	98 41	1212	7.3	+5.8	18	39.0	5	-24.0	24-26	21.2	1.80	1.22	0.50	12	19	3
Virden	49 51	100 55	1444	...	...	...	...	...	...	...	...	...	...	...	...	...	...
The Red River																	
Almasippi	49 11	99 20	...	5.7	+5.6	12	41.0	5	-24.0	24	18.4	2.25	1.74	1.20	8	23	...
Morden	49 11	98 7	978	8.9	+7.6	10	39.0	6	-22.0	12	15.9	2.0	1.12	1.10	3	28	...
Oak Bank	49 57	96 4	800	6.2	+8.1	15	33.0	18-19	-10.0	25	14.4	2.00	-3.09	0.80	6	25	2
Stony Mountain	50 40	97 14	803	4.8	+6.2	32	34.0	19	-37.1	24	21.3	0.65	0.25	0.20	7	24	...
Winnipeg	49 53	97 7	760	7.7	+10.3	40	33.6	13	-23.5	24	19.0	0.70	0.18	0.20	15	16	...

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JAN., 1914.

* Stations not furnished with Registering Thermometers.

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.							PRECIPITATION.								
				Mean.	Difference from average.	Yr's observations	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average	Heaviest fall in month.	Days with 01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
MANITOBA—Continued																			
Dauphin Lake and River																			
Borens River	52 18	97 23	716	1.6	—	6	24.0	20	-22.0	24	20.2	1.29	—	0.70	12	29	..	..	..
Dauphin	51 8	100 2	957	3.1	—	9	47.0	6	-25.0	26	20.3	1.30	—	0.69	9	25	..	..	..
Moose Horn Bay (Arken-ville)	51 15	99 33	810	2.1	—	4	37.8	6	-37.0	26	16.3	2.05	—	0.40	12	19	..	..	..
Lake Winnipegosis																			
Le Pas	52 6	101 15	1112	-2.3	—	4	30.0	5	-32.0	20	15.3	1.40	—	0.70	11	20	..	..	..
ONTARIO—																			
The Lake Superior Districts																			
Rainy River																			
Fort Frances	48 36	93 25	..	..	—	1	..	..	..	..	..	1.30	+0.10	0.50	4	27	..	..	..
Kenora	49 48	9 32	1102	5.9	+ 6.1	15	34.0	19	-39.0	21	15.1	0.97	+0.19	0.40	11	20	..	..	2
Shoal Lake	49 37	95 6	..	8.2	—	1	34.0	7-19	-35.0	25	18.8	0.39	—	0.17	3	28	..	..	..
Sioux Lookout	..	..	..	0.2	—	1	31.0	19-20	-33.0	24	18.5	1.33	—	0.28	10	21	..	..	..
Thunder Bay																			
Kakabeka Falls	48 29	89 26	912	8.2	—	6	34.0	19	-38.0	25	25.0	1.25	—	0.35	6	25	..	..	..
Port Arthur	48 27	89 12	644	12.7	+ 5.6	33	36.0	7-23	-22.0	13	20.7	0.97	+0.19	0.40	11	20	..	..	2
Savanne	48 55	90 18	1506	19.9	+10.4	12	32.0	8-20	-38.0	25	19.6	1.30	-0.06	0.80	4	27	..	..	..
Schreiber	48 50	87 15	933	9.4	+ 3.8	12	41.2	19	-33.8	25	27.0	2.73	—	1.20	8	23	1	..	2
Algoma																			
Bisco	47 40	82 11	1333	6.9	—	1	41.8	29	-42.0	13	20.6	2.09	—	1.06	10	21	..	..	..
Bruce Mines	46 18	83 55	595	16.2	+ 1.8	17	43.0	29	-35.0	13	15.4	2.44	+0.35	0.96	8	23	..	..	1
Chapleau	47 48	83 28	..	8.6	—	1	44.5	29	-45.0	13	20.0	0.70	—	0.30	3	28	..	..	..
Copper Cliff	46 30	80 59	..	13.5	—	8	45.0	8-9	-35.0	13	25.8	1.36	—	0.56	12	19	..	..	..
Grassett	8 29	84 29	..	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Porcupine	45 40	82 14	..	1.3	—	3	45.0	30	-38.0	13-14	28.2	1.90	—	0.40	11	20	..	..	..
Providence Bay	48 35	85 16	1252	21.3	—	3	41.0	29	-30.0	13	23.6	2.66	—	0.95	12	19	..	..	..
Timmins (Sandy Falls)	48 40	81 39	855	3.0	—	2	46.5	30	-49.0	13-14	28.5	2.64	—	0.80	12	19	..	..	..
White River	48 35	85 16	1248	3.6	+ 2.7	24	37.0	29	-48.0	13	28.9	1.00	-0.73	0.20	9	22	..	..	..
Nipissing																			
Cochrane	49 2	81 0	946	2.9	—	3	45.0	29	-38.0	13	24.4	2.45	—	0.40	10	21	..	..	..
Haileybury	47 29	79 39	687	7.7	+ 1.0	20	45.1	29	-34.4	13	20.0	2.43	+0.40	0.70	18	13	..	..	..
Iroquois Falls	48 45	80 40	850	4.1	—	1	45.5	29	-36.0	13	24.6	1.75	—	0.33	14	17	..	..	..
Montreal River	47 8	79 29	..	9.9	—	4	51.0	15	-35.0	12	23.4	3.48	—	1.10	14	17	..	..	..
Upper Ottawa River																			
Rutherglen (Lake Talon)	46 15	74 48	..	7.1	-0.6	19	47.5	29	-35.5	13	21.3	1.40	-0.96	0.40	9	22	1	..	..
Stoneshelf (Rockhiff)	46 9	78 6	557	9.1	+ 2.3	36	47.0	30	-32.0	13	18.6	3.18	+1.19	0.60	20	11	..	..	..
Upper St. Lawrence and Lower Ottawa Rivers																			
Almonte	45 12	76 13	390	10.6	—	2	45.0	29	-33.0	14	15.3	3.27	—	0.80	14	17	..	..	..
Bloomfield	43 59	77 21	260	19.6	-1.6	14	44.0	30	-29.0	13	18.3	3.13	+0.70	0.60	9	22	..	..	..
Hillier	..	..	..	29.9	—	3	45.0	29	-24.0	14	10.0	2.01	—	0.50	8	23	..	..	..
Kingston	44 13	76 29	285	17.0	-1.3	39	45.1	29	-28.3	12	18.3	2.76	-0.11	0.64	17	14	..	..	..
Montague	44 56	75 57	..	10.5	—	4	46.1	29	-39.0	14	22.7	2.89	—	0.95	9	22	..	..	..
Morrisburg	44 56	75 12	..	9.7	—	1	48.3	29	-32.0	14	20.5	2.40	—	0.60	8	23	..	..	..
North Gower	45 8	75 43	..	7.0	—	12	78.0	21-31	-32.0	7-14	24.3	..	..	..	..	..	..	..	..
Ottawa	45 26	75 42	294	11.2	-0.9	31	42.0	22-30	-30.0	14	18.1	3.12	+0.13	0.90	15	16	..	..	..
Renfrew	45 26	76 39	416	9.3	-1.3	24	48.5	29	-33.0	14	17.0	3.03	+1.38	0.79	16	15	..	..	..
Georgian Bay Counties																			
Barrie	44 23	79 41	839	19.5	+ 1.5	35	45.0	29	-29.6	13	16.3	4.50	+1.36	0.70	17	14	..	..	1
Beatrice	45 8	79 20	800	16.5	+ 3.0	37	46.0	29	-33.0	14	20.4	3.42	-0.68	0.90	13	18	..	..	..
Big Chute (Baskin P. O.)	44 42	79 38	655	17.8	—	1	51.0	30	-26.0	14	19.5	2.77	—	0.50	13	18	..	..	..
Coldwater	44 38	79 40	600	19.1	+ 1.5	26	51.0	29	-33.0	13-14	18.8	3.34	-0.92	1.03	10	21	..	..	..
Collingwood	44 31	80 2	..	21.6	+ 1.2	21	52.0	30	-25.0	14	16.6	2.63	—	0.80	11	20	..	..	..
Gravenhurst	44 54	79 20	..	16.5	+ 1.5	43	47.0	29	-35.0	14	22.7	3.06	-0.28	0.60	13	18	..	..	..
Huntsville	45 19	79 8	..	16.3	—	7	49.0	29	-6.0	13	18.3	..	..	..	..	..	..	..	..
Midland	44 44	79 53	750	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Markdale	44 19	80 39	..	17.6	—	2	49.0	30	-19.0	14	18.3	1.40	—	0.50	4	27	..	..	1
Medford	44 36	80 36	..	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Orillia	44 37	79 24	775	17.8	+ 0.1	20	43.0	29	-33.0	13	16.3	3.47	+0.92	0.85	10	21	..	..	..
Owen Sound	44 34	80 55	597	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Parry Sound I	45 19	80 0	635	17.7	+ 2.5	38	47.0	29	-34.0	13	21.1	2.08	-1.48	0.40	17	14	..	..	1
Ronville	45 15	78 57	1038	16.1	—	7	46.0	29	-38.0	13	16.8	2.70	—	0.60	8	23	..	..	..
Sundridge	..	..	..	12.4	—	1	44.9	29	-43.0	15	23.8	..	..	..	..	..	..	..	..
Lake Huron Counties																			
Biram	43 2	81 55	800	27.3	+ 6.2	32	52.4	29	-11.2	14	8.8	2.56	-0.25	0.61	11	20	..	..	4
Brucefield	43 32	81 37	..	21.1	+ 3.5	11	52.0	30	-10.0	14	13.4	2.85	-0.74	0.61	16	15	..	..	1
Lucknow	43 66	81 30	908	22.8	+ 1.4	27	49.8	29	-14.1	13	14.1	3.30	-1.03	1.00	15	16	..	..	5
North Bruce	44 23	81 25	..	25.3	+ 2.9	25	50.0	29	-10.0	13	..	2.44	-0.78	0.50	16	15	..	..	..
Ridgcrest (Godenoh)	43 45	81 41	..	24.6	+ 2.8	23	51.5	30	-12.0	13	17.8	3.76	+0.69	0.32	13	18	..	..	..
Southampton	44 30	81 21	656	24.8	+ 2.9	37	51.8	29	-10.0	13	14.2	3.17	-0.80	0.50	22	9	..	..	..
Lakes St. Clair & Erie, Niagara Peninsula																			
Chatham	42 23	82 12	595	28.7	+ 5.2	25	56.0	29	-1.0	14	9.7	1.47	—	0.10	6	25	..	..	..
Cottam	42 7	82 45	606	26.6	+ 0.5	26	60.0	29-30	-5.0	13	20.0	3.09	+0.67	0.70	6	25	..	..	5
Dutton	42 40	81 32	..	27.6	—	1	55.0	29	-10.0	14	13.8	2.05	—	1.20	5	26	..	..	..
Grimsby	43 13	79 36	..	26.9	—	5	58.0	29	-13.0	13	14.2	3.63	—	1.20	11	20	..	..	..
Pelea Island	41 50	82 35	585	..	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Port Burwell	42 39	80 55	592	26.2	—	10	45.0	29	-16.0	14	8.9	2.44	-0.43	1.20	10	21	..	..	1
Port Dover	42 27	80 18	635	22.8	+ 0.6	39	52.5	29	-25.5	14	16.1	4.02	+0.65	0.85	14	17	..	..	..
Port Stanley	42 40	81 13	542	27.7	+ 4.3	38	46.7	29	-11.3	14	13.9								

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JAN., 1914.

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STATION	Latitude N.	Longitude W.	Elevation above sea level in feet.	TEMPERATURE						PRECIPITATION								
				Mean.	Difference from average.	Yr's Observations	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from Average.	Heaviest fall in month.	Days with 01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
ONTARIO—Continued—																		
West-Central Counties																		
Alton.....	43 51	80 5	1250	19.2	+0.8	28	46.0	30	-26.0	13	16.0	2.65	+0.38	0.43	10	21	..	6
Brantford.....	43 10	80 21	750	22.9	+2.7	33	55.0	29	-22.0	13	15.9	3.27	+0.85	1.45	8	23	..	..
Elora.....	43 41	80 24	1274	20.7	+1.9	16	48.0	30	-25.0	13-14	15.0	2.65	+0.37	0.75	8	23	..	..
Guelph.....	43 33	80 16	1050	24.0	+5.9	26	51.0	29	-23.0	13	16.3	1.86	+0.14	0.50	12	19	..	..
Listowel.....	43 44	80 55	1262	25.2	+4.3	31	54.0	29	-18.0	14	14.8	4.27	+0.55	0.80	17	14	..	1
London.....	42 59	81 13	808	25.2	+3.2	25	51.0	29	-20.0	14	14.7	3.36	+0.53	0.62	15	16	..	..
Paris.....	43 12	80 25	840	25.2	+3.2	25	51.0	29	-20.0	14	14.7	3.36	+0.53	0.62	15	16	..	..
Shelburne.....	44 5	80 47	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stratford.....	43 23	81 0	1191	24.9	+4.4	39	52.0	29	-20.0	13	14.0	2.90	+0.57	0.50	11	20	..	3
Woodstock.....	43 8	80 47	980	24.9	+4.4	39	52.0	29	-20.0	13	14.0	2.90	+0.57	0.50	11	20	..	..
Lake Ontario Counties																		
Agincourt.....	43 47	79 16	590	21.3	+1.8	18	48.0	29	-25.0	13	13.5	3.30	+1.00	0.60	19	12	..	5
Aurora.....	43 57	79 24	856	14.4	—	6	44.5	29	-30.0	12-13	14.7	3.50	+1.40	0.50	8	23	..	1
Hamilton.....	43 16	79 54	803	21.1	—	5	48.0	30	-27.0	13	15.5	—	—	—	—	—	..	..
Oshawa.....	43 53	78 52	331	25.6	+2.7	74	54.3	29	-22.0	13	15.5	3.44	+0.63	0.56	17	14	..	1
Toronto.....	43 40	79 24	350	25.9	—	9	54.0	29	-22.0	13	15.9	—	—	—	—	—	..	..
Toronto Is. (Lakeside Home)	43 40	79 24	..	18.4	—	10	49.0	29	-30.5	13	14.0	3.10	+0.44	0.50	11	20	..	..
Uxbridge.....	44 5	79 5	886	20.7	—	2	50.0	29	-27.0	13	16.6	2.18	—	0.40	10	21	..	1
Wexford.....	43 44	79 17	555	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
East-Central Counties																		
Bancroft.....	45 1	77 50	..	13.3	+1.6	25	50.0	29	-35.0	12-13	21.1	—	—	—	—	—	..	..
Haliburton.....	45 1	78 28	1050	15.1	+1.2	28	41.0	29	-38.0	13	23.6	—	—	—	—	—	..	..
Kinmount.....	44 45	78 35	920	13.1	+1.0	16	46.0	29	-39.0	13	21.7	2.10	+0.03	0.60	9	22	..	..
Lakefield.....	44 25	78 15	850	18.5	+3.1	27	54.0	29	-34.0	13	20.0	3.65	+1.21	1.00	10	21	..	..
Lindsay.....	44 20	78 45	872	17.8	+3.1	33	47.6	29	-31.3	13	20.3	2.68	+1.35	0.45	11	19	..	..
Madoc.....	44 30	77 29	575	13.6	+1.2	10	45.0	29	-31.0	14	17.1	3.45	+0.65	0.58	15	16	..	..
Norwood.....	44 24	77 57	..	13.4	+1.2	10	45.0	29	-31.5	13	24.8	0.95	+2.35	0.50	5	25	..	..
Peterboro.....	44 17	78 19	722	17.4	+2.0	42	48.0	29-30	-32.0	13	20.6	3.64	+0.36	0.80	13	18	..	..
Ursa.....	44 54	78 18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
QUEBEC—																		
Middle St. Lawrence																		
Bark Lake Depot.....	46 30	75 20	..	6.3	—	2	48.0	30	-36.0	13	20.9	3.02	—	0.55	12	19	..	..
Beauceville.....	46 11	70 48	557	11.5	—	1	45.0	30	-32.0	1	31.4	2.28	—	0.60	9	22	..	..
Brome.....	45 10	72 36	678	11.6	-1.0	33	43.0	29	-32.0	13	21.9	1.60	-0.53	1.00	4	27	..	..
Cap Rouge.....	46 46	71 15	..	10.7	—	3	43.0	30	-25.0	14	18.4	3.70	—	0.60	11	20	..	..
Cedar Rapids.....	45 21	74 5	132	10.7	—	4	48.0	30	-28.0	13	19.7	1.30	—	0.40	5	26	..	..
D'Israeli.....	45 55	71 21	896	4.3	—	1	43.0	25	-31.0	1	27.2	3.05	—	1.20	6	25	..	..
Drummondville.....	44 30	72 30	..	9.9	—	1	45.0	30	-32.0	14	25.0	5.57	—	1.20	16	15	..	..
Haberdeau.....	45 59	74 41	900	11.4	—	1	44.0	29	-31.0	13-14	21.2	2.80	—	0.70	12	19	..	..
Huntingdon.....	45 5	74 10	..	11.4	—	1	50.0	30	-28.0	13	21.9	3.08	—	0.60	13	18	..	..
Lake Megantic.....	45 35	70 53	1314	..	—	1	51.0	30	—	—	..	2.39	—	0.70	11	20	..	..
MacDonald College (Ste. Anne de Bellevue).....	45 27	73 59	..	9.1	—	8	40.0	23-24	-27.2	12-13	20.9	—	—	—	—	—	..	..
Montreal.....	45 30	73 35	157	12.2	-1.0	39	43.6	30	-27.1	13	15.8	4.24	+0.45	0.80	17	14	..	1
Nicolet.....	46 15	72 36	..	7.4	—	1	28.0	29	-34.1	14	22.7	2.92	—	0.60	14	17	..	..
Normansville.....	46 27	75 0	..	10.1	+0.0	39	43.0	30	-24.0	14	16.4	3.69	+0.49	0.60	17	14	..	3
Quebec.....	46 48	71 13	296	4.7	—	1	42.0	30	-33.0	14	22.8	4.80	—	1.50	8	23	..	..
St. Lin.....	45 48	73 47	..	2.2	—	2	48.0	30	-31.0	13	13.2	—	—	—	—	—	..	..
Shawbridge.....	45 54	74 3	..	2.4	-2.0	11	35.0	30	-33.0	14	20.2	5.02	—	0.90	12	19	..	2
Shawigan Falls.....	46 34	72 43	..	10.1	-2.5	11	44.9	29	-28.3	14	21.7	2.77	-0.44	1.46	17	14	..	6
Sherbrooke.....	45 32	72 5	620	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lower St. Lawrence & Gulf																		
*Anticosti, E. Pt.....	49 6	61 42	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Anticosti, S.W. Pt.....	49 24	63 33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Anticosti, W. Pt.....	49 52	64 32	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Bicquet.....	48 25	68 53	..	9.6	—	33	43.0	30	-13.0	14	—	1.70	—	0.50	5	26	..	1
*Cape Chatte.....	49 6	66 45	..	12.7	+1.2	25	45.0	30	-5.0	18	—	0.70	—	0.40	4	27	..	..
*Cape Magdalen.....	49 16	65 20	93	10.5	-0.1	31	45.0	30	-4.0	2	—	1.62	-0.72	0.60	6	26	..	..
*Causapscal.....	48 21	67 12	450	0.5	—	1	43.0	31	-26.0	26	21.0	1.48	—	0.60	3	29	..	..
*Fathers Point.....	48 31	68 19	20	7.2	-1.6	36	44.0	30	-20.0	21	17.4	1.01	-1.54	0.40	1	24	..	..
Ste Anne de la Pocatiere.....	47 22	70 2	65	6.4	—	3	38.4	28	-20.8	13	15.3	2.15	—	0.70	7	24	..	..
Tadoussac.....	48 10	69 47	..	6.2	—	1	51.5	29	-26.0	13	18.1	1.70	—	0.60	7	24	..	..
Lake St. John																		
Chicoutimi.....	48 25	71 5	150	—	—	36	—	—	—	—	—	0.95	-0.57	0.27	12	19	..	..
Chicoutimi (2).....	48 25	71 5	..	2.2	—	5	50.0	30	-31.0	26	14.2	1.15	—	0.80	4	27	..	..
Lake Edward.....	47 39	72 15	1333	0.0	—	5	40.0	30	-28.0	14	19.4	1.50	—	0.40	4	27	..	..
La Tuque.....	47 27	72 48	520	4.7	—	2	46.0	30	-30.0	14	24.8	1.84	—	0.50	9	22	..	..
Mistassini.....	48 54	72 15	360	-0.9	—	8	46.0	30	-28.0	1-26	22.7	0.55	—	0.15	8	23	..	..
Roberval.....	48 31	72 13	352	2.1	—	8	46.0	30	-25.0	13	19.7	—	—	—	—	—	..	..
The Northwestern Districts																		
Abitibi.....	48 33	79 22	..	2.4	+1.0	18	44.0	29	-34.0	13-25	22.2	1.70	-0.68	0.30	10	21	..	..
Amos.....	48 36	78 7	..	1.3	—	1	44.0	29	-42.5	12	23.1	3.57	—	0.80	13	18	..	..
Quinze Dam.....	47 34	79 16	..	11.5	—	1	44.0	29	-32.0	13	18.5	1.50	—	0.30	10	21	..	..
Temiskaming.....	46 44	79 7	..	12.9	—	1	46.0	29	-29.0	13	21.2	2.25	—	0.50	12	19	..	..
Ville Marie.....	47 55	79 25	..	10.1	—	1	44.0	29	-38.0	13	19.4	1.25	—	0.40	6	25	..	..
White Shore Lake.....	48 12	75 43	..	-1.5	—	2	39.5	30	-46.0	14	22.5	2.7	—	1.50	2	29	..	..
The North Shore																		
Clarke City.....	50 10	68 25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Brunswick—																		
Chatham.....	47 3	65 29	21	10.5	-1.0	39	43.5	30	-21.0	23	21.5	3.66	+0.05	1.36	15	16	..	..
Dalhousie.....	48 4	66 22	39	8.9	+1.2	32	43.0	30	-13.0	29	14.6	9.0	-1.42	0.69	6	25	..	..
Edmundston.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fredericton.....	45 57	66 36	164	10.0	-1.3	42	45.0	30	-24.0	1	21.0	4.76	+1.59	0.95	14	17	..	..
Fredericton (Ex-Farm).....	..	..	106	10.4	—	1	43.5	30	-24.5	20	23.0	6.41	—	3.38	7	24	..	..
Grand Falls.....	47 2	67 44	..	13.3	-2.4	16	47.0	30	-15.0	20	22.6	1.1	-0.91	0.51	6	25	..	..
Moncton.....	46 9	64 45	50	17.9	-3.4	35	41.0	24	-5.0	1	—	2.91	-1.79	1.0				

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JAN., 1914.

*Stations not furnished with Registering Thermometers

STATION			Elevation above sea level, in feet	TEMPERATURE							PRECIPITATION			Days with .01 or more	No. of fair days	No. of Auroras	No. of thunderstorms	No. of fogs	
	Latitude	Longitude		Mean	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily Range	Amount	Difference from average						Heaviest fall in month
NOVA SCOTIA—																			
Advocate.	45 19	64 46		20.1	—	2	49.0	25	—9.0	20	15.3	—	—	—	—	—	—	—	
Antigonish.	45 38	61 59	50	20.7	—	3	53.0	31	—11.0	24	21.1	—	—	—	—	—	—	—	
Halifax.	44 39	63 36	88	22.2	—1.9	39	51.4	30	—7.0	23	18.2	2.86	—2.99	1.05	14	17	..	1	
Kentville.	45 3	64 36	40	16.8	—	3	49.0	30	—12.0	21	14.7	2.47	—	0.55	10	21	..	..
Kentville (2).	..	..	14.7	..	..	1	53.0	30	—5.0	21	13.5	2.81	—	0.75	11	20	..	..
Liverpool.	44 0	64 49	56	24.6	—	1	54.0	31	—2.5	23	19.7	2.98	—	1.20	4	27	..	..
Nappan.	45 46	64 34	..	15.9	—	1	46.0	25-30	—19.0	21	16.1	1.47	—	1.07	6	25	..	..
New Germany.	44 30	64 42	..	23.9	—	2	54.0	30	—15.0	23	13.8	2.93	—	1.22	5	26	..	..
Parrsboro'.	45 23	64 19	40	17.2	+1.9	16	40.6	23 29	—16.0	23	21.4	1.00	—	0.56	3	28	..	1	
Port Hastings.	45 39	61 22	45	..	..	22	..	..	..	..	..	..	..	..	..	..	..	..
Sable Island, E. Pt.	43 58	59 46	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sable Island (Main Station)	43 57	60 6	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sutherland's River.	..	..	..	19.2	—	1	52.0	30-31	—12.0	21	21.4	..	..	..	..	..	..	..
Sydney.	46 10	60 10	35	22.7	+0.6	49	49.5	25	0.5	24	13.8	2.34	—2.91	0.70	9	22	..	..
Truro.	45 22	63 18	77	17.6	—1.7	39	49.5	25	—24.0	23	19.5	4.39	+2.52	1.63	13	18	..	..
Truro (2).	45 25	63 15	..	17.0	—	3	49.5	25	—17.5	23	19.5	3.50	—	0.80	8	23	..	..
*Whitehead.	45 15	61 8	20	22.4	—2.1	31	41.0	25	—2.0	15	12.0	2.50	—1.17	9.70	6	25	..	1	
Windsor.	44 59	64 6	90	20.8	—1.4	11	52.0	31	—7.5	21	15.8	2.97	+0.10	1.00	11	20	..	..
Wolfville.	45 7	64 20	20.9	..	..	13	54.0	30	—1.8	14 20	17.7	2.30	—1.62	0.70	8	23	..	..
Yarmouth.	43 50	66 2	65	25.8	—0.8	33	44.9	25	1.4	14	14.8	3.07	—2.69	0.76	17	14	..	2	
P. E. ISLAND—																			
Charlottetown.	46 14	63 10	38	16.8	—1.9	38	42.0	25-30	—6.0	23	15.7	3.29	—6.12	0.85	10	21	..	..
Charlottetown (Exp. Farm)	46 14	63 7	75	16.3	—	3	45.0	25	—6.0	20-23	17.4	3.93	—	1.10	12	19	..	..
Hamilton.	46 25	63 48	..	..	..	17	..	..	..	..	..	..	..	..	..	..	..	..
Summerside.	46 18	63 51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NEWFOUNDLAND—																			
*Amour Point.	51 28	56 51	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Burin.	47 0	55 10	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Cape Norman.	51 38	55 52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogo.	49 43	54 17	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Point Riche.	50 42	57 25	35	13.5	+1.4	31	40.0	25	—15.6	29	—	1.55	—1.11	0.50	8	23	..	..
Port aux Basques.	47 35	56 40	27	21.0	—	5	41.5	30	—6.0	20	11.0	2.35	—	0.40	21	10	..	..
St. George's.	48 28	58 25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. John's.	47 34	52 42	125	22.6	—1.6	41	47.0	25	—5.0	23	10.8	5.45	—0.84	1.20	16	15	..	..
BERMUDA—																			
Prospect.	32 17	64 46	151	62.4	—0.1	23	71.4	30	47.2	16	10.4	6.18	+1.28	1.90	20	11	..	2	

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING JAN., 1914.

STATIONS.	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches.	No of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month	Date.	
BRITISH COLUMBIA—										
Alkali Lake.....	0.05	1	24	0.05	5	14.5	6	4.5	16	
Annis (Canoe Point).....	1.96	12	6	0.35	7	15.5	9	4.0	26	
Beaver Lake (Royal Oak).....	8.87	21	10	1.20	6	4.0	1	4.0	24	
Coquitlam.....	12.46	18	12	2.23	4	7.5	3	4.5	28	
Denman's Island.....	14.38	19	12	1.99	4	15.0	1	15.0	25	
Ferguson.....	1.73	3	12	0.76	6	83.0	16	14.0	26	
Goldstream Lake.....	15.15	24	2	3.39	4	23.5	7	6.0	24	
Hornby Island.....	12.63	18	11	1.93	28	15.1	2	13.1	25	
Hydraulic.....										
Invermere.....	0.66	2	20	0.43	7	13.4	8	2.5	26-30	
Jordan River.....	17.24	30	0	2.05	4	2.8	3	1.0	26	
Jordan River (Bear Creek).....	26.79	26	2	4.78	5	35.0	15	7.1	27	
Little Qualicum (Fr. Cr. V.I.).....	11.46	16	13	2.25	4	5.0	2	4.0	24	
Lumby.....	0.80	4	16	0.45	6	16.5	11	4.0	22	
Nans Harbour.....	2.15	6	20	0.64	12	30.3	5	19.3	29	
Rock Creek.....	0.00					18.3	9	4.0	25	
Sooke Lake.....	16.79	23	6	4.25	4	7.0	3	5.0	24	
Stamps Falls (Alberni).....	16.69	25	6	2.41	4	12.5	3	7.0	25	
Wycliffe.....	0.09					25.0	8	6.0	14	
ALBERTA—										
Bardo.....	0.00					2.5	3	1.0	7-17	
Beaver Mines.....	2.01	1	27	2.01	6	14.0	3	6.0	22-24	
Bismark.....	R	1	25	R	5	7.5	6	2.8	18	
Bittern Lake.....	0.00					8.0	8	2.8	19	
Brooks.....	0.01					9.0	8	3.0	19	
Bruegerheim.....										
Caldwell.....	0.00					14.0	8	3.0	29	
Clareholme.....	0.00					7.5	3	3.0	22	
Clarinda.....	0.00					4.5	2	3.5	22	
Coleman.....	0.68	4	17	0.28	7	23.5	10	7.0	26	
Conjuring Creek.....	0.00					7.5	6	3.5	18	
Cree Bank Ranch (Cowley).....	0.08	2	19	0.07	5	21.0	10	7.0	22	
Dorelee (Bashaw).....	0.10	1	27	0.10	6	10.5	3	4.5	19	
Dunstable (Five Lakes).....	R	1	21	R	5	5.3	10	1.7	26	
Grassy Lake.....	0.00					6.0	4	2.0	25	
Jumping Pound.....	0.00					9.8	4	3.5	8	
La Pearl.....										
Lethbridge.....	0.00					12.2	8	4.0	22	
Lincham.....	0.00					13.8	3	7.0	1	
Lyndon.....	0.00					12.0	4	4.3	28	
Macleod.....	0.00					12.0	6	4.0	22	
Mayercroft.....	0.26	2	1	0.23	4	12.0	8	3.1	26	
Mountain View.....	0.00					9.0	4	6.0	21	
Nanton.....	0.00					6.5	4	2.0	25	
Nateby.....	0.00					5.1	5	1.4	8	
Pekisko.....	0.00					15.5	6	9.0	1	
Ponoka.....	0.06	1	25	0.06	5	16.0	5	8.0	7	
Roycroft Ranch (Manville).....	0.00					1.3	2	0.8	26	
Seven Persons.....	0.00					8.5	4	3.3	1	
Waterton Mills.....	0.79	4	20	0.45	5	31.5	7	15.5	22	
SASKATCHEWAN—										
Gull Lake.....	0.00					5.0	4	3.0	18-22	
Gull Lake (Fks. Swift Cur.).....	0.00					14.3	6	4.5	26	
Wapashoe.....										
MANITOBA—										
Cartwright.....	0.16	2	25	0.08	1-15	23.3	6	7.0	28	
Deloraine.....	0.00					15.0	4	6.0	19	
Rapid City.....	0.00					14.9	8	3.2	28	
ONTARIO—										
Bow Park Farm (Brantford).....	0.93	6	15	0.41	23	16.1	11	4.3	3	
Deer Park.....	0.99	5	18	0.41	24	19.5	11	4.8	21	
Dutton.....	0.25	1	26	0.25	23	18.0	4	12.0	3	
Emsdale.....	0.10	1	18	0.10	30	28.0	12	9.0	12	
Fort Frances.....										
Georgetown.....	0.50	4	18	0.37	24	18.6	11	3.5	3	
Grand Valley.....	0.41	2	17	0.33	24	20.0	12	3.4	13-20	
Grantham.....	1.00	3	22	0.50	27	9.0	6	4.0	4	
MacCoe.....	0.47	2	25	0.25	28	14.0	4	6.0	20	
Niagara Falls.....	1.18	3	24	0.43	9	17.0	5	5.5	1	
Nipigon.....	0.00					14.3	10	6.0	27	
Point Clark.....										
Princeton.....										
Rock Chapel (Grimshy).....	1.49	6	19	0.29	25	21.0	10	9.0	4	
Sydenham.....										
Watford.....	0.67	2	29	0.52	24					
Wawaion Falls.....	0.94	2	19	0.80	29	17.0	16	5.0	10	
Westminster.....	0.53	1	27	0.53	24	18.0	3	13.0	4	
Westport.....	0.25	1	23	0.25	24	21.5	7	5.5	21	
Warton.....	0.82	3	20	0.40	27	32.0	8	7.0	22	

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING JAN., 1914.

STATIONS	RAINFALL					SNOWFALL				REMARKS
	Amount in inches	No. of Days 01 or over.	No. of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date	
QUEBEC—										
Kipawa Dam.....	0 06	2	18	0 04	29	21.4	12	7.2	31	
Lucerno.....	0 00					27.5	9	8 0	21	
Perkins Mills.....	0 00					29.5	9	8.0	21	
Quinze Dam.....										
Timiskaming.....										
NEW BRUNSWICK—										
Point Escuminac	0 11	2	24	0 09	25	14.4	7	4.5	11	
NOVA SCOTIA—										
Milton.....	1 70	3	26	0.54	24	8.3	2	5.3	21	
South Alton	1 21	5	18	0 65	25	38.0	8	12.0	1	
White Rock.....	1.65	1	27	1 65	26	19.0	3	8.0	13-21	

**PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE
MONTH OF JAN., 1914.**

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	PRESSURE.				Mean relative humidity	Mean amount of cloud	No. of days completely clouded	DIRECTION OF WIND FROM										VELOCITY OF WIND																		
				Mean reduced.	Highest.	Lowest.	Range.				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of observations	Mean miles per hour.	Maximum velocity.	Date and direction from.																
BRITISH COLUMBIA—																																							
Atlin.....	50 35 133 38		2210	29 90 30 61	29 27 1 33	—	—	—	—	—	5	7	0	0	0	0	0	7	43	62	2.9																		
Barkerville.....	53 2 121 35		4180	29 66 30 32	28 80 1 52	—	—	—	—	—	6	7	1	0	0	3	0	3	1	0	54	62																	
Kamloops.....	50 42 120 29		1245	29 72 30 48	28 91 1 57	—	—	—	—	—	8	15	1	18	12	9	3	10	3	15	62	3.0	21	27	SW														
α Nanaimo.....	49 10 123 37		125	29 58 30 25	28 53 1 72	—	—	—	—	—	8	15	0	1	0	18	9	5	6	2	21	62																	
Prince Rupert.....	54 18 130 18		170	29 52 30 0	28 80 1 22	—	—	—	—	—	6	15	2	2	17	6	0	0	2	0	33	62																	
Triangle Island.....	50 52 129 5		680	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
α Tranquille.....	50 41 120 29		—	28 46 29 00	27 43 1 57	—	—	—	—	—	90	8	7	2	0	12	2	1	0	10	0	34	62																
Vancouver.....	49 17 123 5		136	29 72 30 46	28 70 1 70	—	—	—	—	—	84	8	17	0	8	29	10	6	1	5	1	2	62																
Victoria.....	48 24 123 19		85	29 69 30 31	28 73 1 66	—	—	—	—	—	87	8	11	9	2	20	9	4	2	10	0	6	62	9.5	36	26	W												
YUKON—																																							
Dawson.....	64 4 130 20		1200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
ALBERTA—																																							
Banff.....	51 10 115 34		4542	29 82 30 34	29 15 1 19	—	—	—	—	—	77	6	4	0	4	1	2	1	19	8	6	21	62																
Calgary.....	51 2 114 2		3389	29 81 30 35	29 38 0 97	—	—	—	—	—	88	4	2	6	6	4	3	2	3	18	18	62																	
Edmonton.....	53 39 113 30		2158	29 85 30 42	29 18 0 94	—	—	—	—	—	85	5	4	7	5	8	5	9	13	2	11	2	62	5.0	17	26	E												
Medicine Hat.....	50 1 110 37		2161	29 83 30 51	29 25 1 26	—	—	—	—	—	82	5	4	4	2	0	1	2	19	13	11	10	62	3.0	20	6	SW												
SASKATCHEWAN—																																							
Battleford.....	52 41 108 20		1620	29 85 30 64	29 38 1 26	—	—	—	—	—	—	4	2	0	0	1	13	0	1	4	10	33	62																
Moose Jaw.....	50 21 105 35		1759	29 92 30 38	29 38 1 00	—	—	—	—	—	106	5	3	13	4	15	6	0	9	6	11	29	93																
Prince Albert.....	53 10 106 0		1432	29 87 30 5	29 43 1 16	—	—	—	—	—	97	6	9	5	3	8	2	2	2	9	29	62	3.1	15	10	NW													
Qu'Appelle.....	50 30 103 47		2115	29 88 30 62	29 28 1 34	—	—	—	—	—	84	6	10	3	2	5	8	11	5	4	23	1	62	10.2	33	28	NW												
Swift Current.....	50 20 107 45		2439	29 83 30 44	29 26 1 18	—	—	—	—	—	88	6	8	3	2	1	5	4	19	16	8	4	62	10.9															
MANITOBA—																																							
Minneapolis.....	50 15 99 50		1699	29 93 30 62	29 34 1 28	—	—	—	—	—	96	5	7	0	5	7	6	1	1	11	17	14	—	—	—	—	—												
α St. Albans (Tree-bank).....	49 42 99 33		1180	28 63 29 08	28 12 1 56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Le Pas.....	53 49 101 15		890	29 98 30 61	29 47 1 14	—	—	—	—	—	100	6	15	13	6	10	2	4	8	13	5	0	62	7.5															
Winnipeg.....	49 53 97 7		760	29 95 30 60	29 44 1 16	—	—	—	—	—	96	6	6	9	3	3	27	10	3	8	17	3	93	11.9	35	58	SE												
ONTARIO—																																							
Cochrane.....	49 2 81 0		946	30 05 30 64	29 41 1 20	—	—	—	—	—	—	5	8	11	6	1	8	14	2	6	11	3	62	7.4	31	29	W												
Guelph.....	43 33 80 16		650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Haileybury.....	47 26 79 39		687	30 01 30 62	29 47 1 15	—	—	—	—	—	92	8	18	12	5	1	13	6	5	3	10	7	62	11.8															
Kingston.....	44 13 76 29		285	29 91 30 68	29 20 1 48	—	—	—	—	—	87	7	15	2	29	1	9	1	3	4	12	1	62	9.0															
London.....	42 59 81 13		808	29 88 30 48	28 81 1 67	—	—	—	—	—	89	8	20	0	17	3	37	0	6	0	30	0	93																
α Lindsay.....	44 20 78 45		876	28 96 29 50	28 31 1 19	—	—	—	—	—	—	7	14	13	14	12	10	2	11	4	12	8	93																
Ottawa.....	45 26 75 42		294	29 97 30 62	29 22 1 40	—	—	—	—	—	96	6	13	10	12	19	0	1	3	6	11	0	62																
Perry Sound.....	45 18 80 0		635	29 92 30 57	29 27 1 30	—	—	—	—	—	87	8	19	8	12	1	18	0	8	1	11	2	62	9.4	28	29	SW												
Port Arthur.....	48 27 89 12		644	29 93 30 58	29 42 1 16	—	—	—	—	—	85	7	22	18	10	4	0	4	3	21	16	17	93	7.8	33	29	SW												
Port Stanley.....	42 40 81 13		592	29 94 30 62	29 27 1 33	—	—	—	—	—	87	9	23	0	4	7	8	1	13	13	12	4	62																
Southampton.....	44 30 81 21		656	29 92 30 57	29 23 1 33	—	—	—	—	—	96	10	26	14	10	4	10	15	6	2	1	0	62																
Stoney Cliff.....	46 9 78 6		657	29 98 30 59	29 27 1 32	—	—	—	—	—	—	4	1	2	1	21	1	0	16	0	21	62	7.9	16	12	30	NW												
Toronto.....	43 40 79 24		350	29 94 30 62	29 24 1 38	—	—	—	—	—	87	8	18	10	2	4	0	8	11	10	8	0	62	14.8	49	31	E												
White River.....	48 35 85 16		1252	29 90 30 55	29 38 1 17	—	—	—	—	—	—	7	16	5	10	10	3	7	2	4	8	13	62	7.7	28	29	NW												
Woodstock.....	43 8 80 47		980	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
QUEBEC—																																							
Anticosti S.W. Pt.....	49 24 63 35		30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Father Point.....	48 31 68 19		20	29 95 30 60	29 34 1 26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Montreal.....	45 30 73 35		187	29 96 30 56	29 22 1 31	—	—	—	—	—	89	6	11	5	35	0	2	5	9	16	12	0	93	15.0	41	30	NW												
Quebec.....	46 48 71 13		295	29 96 30 57	29 28 1 29	—	—	—	—	—	76	7	11	0	39	3	0	0	21	20	7	3	93	15.7	57	31	NE												
Sherbrooke.....	45 32 72 5		620	29 97 30 60	29 23 1 37	—	—	—	—	—	80	6	10	4	1	10	18	10	10	21	17	2	93																
NEW BRUNSWICK—																																							
Chatham.....	47 3 65 29		21	29 92 30 77	29 01 1 76	—	—	—	—	—	76	5	7	2	6	9	1	1	6	22	15	2	62																
Fredericton.....	45 57 66 36		164	29 94 30 71	29 06 1 68	—	—	—	—	—	85	5	11	8	16	3	4	4	5	11	27	12	93	8.1	38	30	SW												
St. John.....	45 17 66 4		70	29 85 30 71	29 06 1 71	—	—	—	—	—	76	5	7	22	17	6	4	4	6	2	30	2	93	15.1	41	25	NW												
NOVA SCOTIA—																																							
Halifax.....	44 30 63 36		88	29 93 30 68	28 94 1 74	—	—	—	—	—	88	7	10	2	22	3	8	0	7	5	14	0	62	15.2	41	25	SW												
Sable Island (M.Station).....	43 57 60 6		25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Sydney.....	46 10 10 10		35	29 78 30 66	28 89 1 77	—	—	—	—	—	85	8	18	4	21	6	3	9	9	8	29	4	93	23.0	60	18	E												
Truro.....	45 26 63 18		77	29 86 30 72	28 93 1 79	—	—	—	—	—	—	7	11	18	18	10	2	10	3	10	20	2	93																
Truro (2).....	45 25 63 15		—	29 83 30 88	29 04 1 84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—												
Wolfville.....	45 7 64 20		—	29 86 30 71	28 98 1 73	—	—	—	—	—	90	6	11	5	10	7	4	3	9	7	13	4	62	10.8	26	18	N												
Yarmouth.....	43 50 66 2		65	29 87 30 68	29 06 1 62	—	—	—	—	—	79	7	10	8	16	6	6	3	6	1	16	4	62	15.7	44	25	SW												
P. E. ISLAND																																							
Charlottetown.....	46 11 63 10		38	29 85 30 73	28 97 1 76	—	—	—	—	—	88	7	13	2	19	2	1	5	7	5	20	1	62	10.4	39	30	SW												
NEWFOUNDLAND																																							

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF
THE SECOND CLASS, DURING THE MONTH OF JANUARY, 1914

STATION	DIRECTION OF WIND FROM								C.	Total number of Observations
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
ALBERTA—										
Athabasca Landing.....	1	7	5	1	4	2	5	6	0	31
Beaver Lodge.....	10	2	0	6	0	0	2	42	0	62
Didsbury.....	0	3	0	2	6	3	11	6	0	31
Halkirk (Emsburg).....	4	2	4	10	15	7	4	16	0	62
Hillsdown.....	1	5	0	7	4	10	0	11	24	62
Loveland.....	2	2	5	13	0	13	12	15	0	62
Macleod.....	2	9	9	2	0	3	32	3	2	62
Ranfurly (Waitfield).....	9	4	13	15	7	5	8	22	10	93
Sion.....	4	1	8	28	4	16	11	18	0	90
SASKATCHEWAN—										
Brownhill (Grenfell).....	3	6	1	9	11	14	1	17	0	62
Chaplin.....	0	0	6	6	6	4	14	16	10	62
Crescent Lake.....	3	2	1	6	5	3	4	7	0	31
Estevan.....	2	3	3	3	2	6	4	6	2	31
Fort Qu'Appelle.....	1	7	15	4	5	1	15	12	2	62
Indian Head.....	6	9	4	4	9	22	4	32	3	93
Kamsack.....										
Larchmount (Pambram).....	0	7	3	4	1	21	4	22	0	62
Muenster (St. Peter's Monastery).....	7	5	4	9	11	4	19	3	0	62
Onion Lake.....	2	1	10	1	0	0	5	12	0	31
Pense (Gatesgarth).....	0	1	0	13	0	2	5	10	0	31
Waseca.....	0	3	2	7	0	0	7	12	0	31
Yarbo (Fairfield).....	4	2	6	4	1	1	6	6	1	31
MANITOBA—										
Berens River.....										
Brandon.....	2	11	8	8	2	12	18	15	18	84
Hillview.....	0	5	14	14	0	7	5	48	0	93
Moose Horn Bay (Aitkensville).....	12	3	0	7	11	1	0	16	5	55
Morden.....	17	1	2	8	14	1	9	6	4	62
Oak Bank.....	11	3	1	6	6	9	2	22	2	62
Stony Mountain.....	8	7	5	2	16	3	4	15	0	60
ONTARIO—										
Agincourt.....	4	7	7	8	0	14	7	16	2	65
Alton.....	25	4	17	6	3	8	27	3	0	93
Beatrice.....	2	1	4	15	16	0	0	16	39	93
Biram.....	8	1	5	6	13	7	9	9	4	62
Brucefield.....	6	6	4	11	13	7	5	10	0	62
Cottam.....	7	1	8	3	22	14	7	0	0	62
Gravenhurst.....	20	3	18	22	7	2	8	2	11	93
North Bruce.....	19	6	17	17	23	5	0	6	0	93
Orillia.....	2	2	3	2	5	3	5	4	0	26
Port Dover.....	13	5	9	5	2	13	12	13	0	62
Stoney Creek.....	3	16	3	19	3	10	36	3	0	93
Wexford.....	0	3	5	2	0	10	0	5	6	31
QUEBEC—										
Abitibi.....	28	6	10	8	22	2	10	7	0	93
Anticosti, Heath Point.....										
Anticosti, West Point.....										
Bicquet.....	8	14	3	0	37	11	4	14	2	93
Brome.....	17	3	7	3	19	14	23	7	0	93
Cape Chatte.....	5	5	15	1	0	9	22	3	33	93
Cape Magdalen.....	1	2	6	0	18	2	0	51	13	93
Cap Rouge.....	10	10	0	0	0	0	0	11	0	31
Cedars.....	3	12	0	1	0	2	9	4	0	31
Chicoutimi.....	1	10	1	5	0	2	9	7	58	93
Clarke City.....										
NEW BRUNSWICK—										
Dalhousie.....	0	0	4	1	0	1	24	1	0	31
Moncton.....	5	8	1	5	0	0	1	10	1	31
Pt. Lepreaux.....	18	29	3	5	2	10	2	12	0	81
Sussex.....	4	4	0	0	0	3	1	2	17	31
NOVA SCOTIA—										
Kentville.....	3	7	3	1	0	4	4	6	0	31
Liverpool.....	1	9	3	0	0	0	4	14	0	31
Sable Island, E. Pt.....										
Whitehead.....	5	4	4	4	2	2	0	10	0	31

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF
JANUARY 1914.

STATION	HOURS ENDING																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
Shawnigan Lake.....						.03	.17	.15	.17	.18	.14	.08	.02					
Victoria.....						T	.15	.17	.19	.24	.19	.14	.06					
Salmon Arm.....						.01	.04	.12	.16	.21	.21	.16	.07	.00	.02			
Nanaimo.....																		
Vancouver.....					T	.04	.10	.22	.23	.25	.17	.14	.09	T				
Agassiz.....							.01	.09	.11	.09	.06	.05	.01					
Tranquilla.....						.05	.11	.17	.23	.25	.21	.24	.14					
Summerland.....						.07	.15	.17	.21	.15	.14	.09	T					
Kamloops.....						.01	.08	.16	.20	.23	.21	.16	.01					
Harper's Ranch.....																		
Invermere.....						T	.13	.24	.34	.41	.37	.26						
Edmonton.....						.03	.22	.33	.39	.42	.44	.32	.08					
Lethbridge.....						.10	.31	.42	.47	.50	.50	.50	.45	.08				
Lacombe.....						.06	.24	.35	.39	.46	.42	.34	.19					
Medicine Hat.....						.07	.28	.41	.44	.47	.48	.41	.18					
Fort Dunvegan.....								.07	.25	.27	.24	.09						
Fort Vermilion.....																		
Battleford.....					.09	.41	.60	.66	.67	.71	.71	.55	.15					
Indian Head.....						.11	.32	.40	.47	.44	.45	.35	.16					
Moosejaw.....					.01	.20	.36	.41	.47	.47	.47	.35	.14					
Scott.....					.05	.26	.45	.50	.49	.52	.46	.26	.04					
Rosthern.....						.17	.37	.46	.50	.52	.48	.44	.25					
Brandon.....					T	.14	.23	.41	.44	.46	.49	.25	.03					
Winnipeg.....						.06	.17	.26	.33	.40	.35	.40	.25	T				
Le Pas.....						.01	.19	.22	.25	.28	.34	.30	.18					
Haileybury.....						.09	.25	.32	.29	.34	.34	.32	.20	.02				
Gravenhurst.....						.03	.11	.18	.27	.33	.30	.32	.29	.07				
Woodstock.....						.09	.14	.15	.19	.17	.16	.15	.12	.02				
Lindsay.....						.02	.17	.32	.38	.37	.34	.22	.26	.06				
Barrie.....						.12	.18	.21	.28	.19	.17	.13						
Toronto.....						.06	.15	.20	.29	.30	.25	.23	.21	.05				
Kingston.....					.01	.21	.31	.33	.32	.29	.30	.32	.19	.03				
Ottawa.....					.01	.27	.37	.38	.46	.45	.49	.44	.28	.04				
Montreal.....																		
Cap Rouge.....						.08	.17	.20	.28	.34	.36	.31	.12					
Quebec.....						.11	.21	.28	.41	.45	.44	.37	.26					
Ste Anne de la Pocatiere.....					.16	.34	.41	.41	.38	.42	.44	.41	.01					
Sherbrooke.....						.06	.18	.35	.41	.41	.40	.36	.19					
Fredericton.....						.17	.30	.34	.43	.44	.44	.45	.44	.10				
Charlottetown.....						.14	.23	.28	.32	.27	.29	.28	.19	.02				
Nappan.....						.17	.31	.42	.46	.46	.41	.41	.31	.04				
Wolfville.....					.02	.19	.33	.45	.45	.48	.35	.35	.30	.05				
Kentville.....						.17	.30	.41	.46	.48	.45	.38	.29	.06				

Thunder recorded:

- 1.
2. Albernî.
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Auroras recorded in January, 1914 :

1. Campsie IV.
2. Prince IV.
3. Prince IV.
- 4.
- 5.
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- 10.
- 11.
- 12.
- 13.
14. Sion IV.
- 15.
- 16.
- 17.
18. Causapscal.
- 19.
20. Sion III.
21. St. Albans II, Rutherglen IV, Schreiber IV, Edmonton II, Muenster IV, Prince III,
Sion III.
22. Muenster III.
- 23.
24. Morden.
- 25.
- 26.
27. Morden.
- 28.
- 29.
- 30.
31. Muenster.

FORECASTS FOR JANUARY 1914

The forecasts issued by this office at 11 p.m. each night, are for the 24 hours beginning at 8 a.m. the following day; and are published in most morning newspapers.

The number of these predictions issued during the month was 1273. These were divided as follows:

District.	No. Issued.	VERIFIED.			Per- centage.
		No. Fully.	No. Partly.	No. Not.	
Alberta.....	89	63	18	8	80.9
Saskatchewan.....	87	62	17	8	81.0
Manitoba.....	88	59	23	6	80.1
Lake Superior.....	102	81	18	3	88.2
Lower Lake Region.....	118	95	14	9	86.4
Georgian Bay.....	118	93	15	10	85.2
Ottawa Valley.....	103	95	11	7	87.9
Upper St. Lawrence.....	103	86	10	7	88.3
Lower St. Lawrence.....	103	86	4	13	85.4
Gulf.....	114	98	6	10	88.6
Maritime Provinces West.....	124	95	14	15	82.3
Maritime Provinces East.....	124	90	17	17	79.4
Total.....	1273	993	167	113	84.6

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,
Feb. 28th, 1914.

